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1732

Applicants:

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~~5-700~~

Appl. No.:

09/978,346

Title:

Method and apparatus for low-speed, high-throughput
fiber drawing using coiled fiber loops

Grp./A.U.:

1732

Examiner:

Leo Tentoni

Honorable Commissioner for Patents
Washington DC 20231

RECEIVED
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TC 1700

AMENDMENT

Sir:

Please amend the above-identified application as follows:

In the Specification:

1. Please replace the paragraph beginning at line 12 of page 13, with the following rewritten paragraph:

-- An one embodiment of the invention for continuous drawing of fibers in form of coiled fiber loops is illustrated in Figs. 1A-1C. Fig. 1A shows a longitudinal view of an invented apparatus for the fiber drawing which has the following main parts: (a) a conveyer-drawing structure for conveying and simultaneous drawing a fiber G in the form of coiled fiber loops, (b) a feed device for feeding fiber G to the conveyer-drawing structure at an inlet speed and laying successive controlled fiber loops around the conveyer-drawing structure at the beginning of the fiber drawing, (c) a take-off device for taking continuously off the leading fiber loops from the conveyer-drawing structure at the end of the fiber drawing and conveying the drawn fiber from the fiber drawing apparatus either to the next stage of the fiber making process or to the receiving package at an outlet speed, (d) a driving mechanism for driving parts of the conveyer-drawing structure, the feed device, and the take-off device, and (e) a heat chamber 11 for heating fiber G while the fiber being conveyed and drawn. For a detailed description see below. --